

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051270

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H05K13/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 04 123493 A (MATSUSHITA ELECTRIC IND CO LTD) 23 April 1992 (1992-04-23) abstract -----	1,4-6, 11-13
X	JP 2000 091794 A (MATSUSHITA ELECTRIC IND CO LTD) 31 March 2000 (2000-03-31) abstract -----	1,3-5,12
X	JP 11 330792 A (JUKI CORP) 30 November 1999 (1999-11-30) abstract -----	1,9
X	JP 10 173397 A (MATSUSHITA ELECTRIC IND CO LTD) 26 June 1998 (1998-06-26) abstract -----	1,10,12, 13,15

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

9 November 2004

Date of mailing of the international search report

16/11/2004

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB2004/051270

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 04123493	A	23-04-1992	JP 2765210 B2	11-06-1998
JP 2000091794	A	31-03-2000	NONE	
JP 11330792	A	30-11-1999	NONE	
JP 10173397	A	26-06-1998	NONE	